

Message

From: Murphy, Elizabeth [Murphy.Elizabeth@epa.gov]
Sent: 2/10/2020 6:56:52 PM
To: Porter, Andrea [porter.andrea@epa.gov]; Bair, Rita [bair.rita@epa.gov]
CC: Wilson, Jennifer [wilson.jenniferA@epa.gov]; Meyer, Cynthia [Meyer.Cynthia@epa.gov]; Bauer, Candice [bauer.candice@epa.gov]
Subject: RE: East St. Louis Lead Action Level Exceedances and corrosion control?

Many Thanks Andrea

From: Porter, Andrea <porter.andrea@epa.gov>
Sent: Monday, February 10, 2020 12:22 PM
To: Bair, Rita <bair.rita@epa.gov>; Murphy, Elizabeth <Murphy.Elizabeth@epa.gov>
Cc: Wilson, Jennifer <wilson.jenniferA@epa.gov>; Meyer, Cynthia <Meyer.Cynthia@epa.gov>; Bauer, Candice <bauer.candice@epa.gov>
Subject: RE: East St. Louis Lead Action Level Exceedances and corrosion control?

Hi All,

IL AMERICAN-EAST ST LOUIS (PWS ID = IL1635040):

- Per SDWIS/FED, this PWS last exceeded the Pb Action Level in 1992 with a 90th percentile of 19 ppb. The PWS is currently on triennial monitoring, and the most recent Pb 90th percentile for the years 2017 – 2019 is 2 ppb.
- Because the PWS does not have any recent Pb Action Level Exceedances (ALEs), R5 has not asked IEPA to report out on this PWS in our annual ALE actions update status requests.
- Per SDWIS/FED, orthophosphate addition, as well as pH adjustment (at one of their two plants) and sequestration for corrosion control treatment are listed as active treatments for this PWS.
- Per SDWIS/FED, this PWS was deemed “optimized” and water quality parameters ranges assigned by the State. Date listed for “deem” and “done” are 4/11/2000. (Huge caveat: The LCR milestones in SDWIS/FED are known to be unreliable. It would be good to check with IEPA to make sure the data in SDWIS/FED is accurate.)
- Per IEPA requirement, all CWS annually report service line materials. Most recently (2018 Reporting Year), this PWS listed 346 lead service lines, and 46,901 service lines of unknown material out of a total of 51,498 connections.
- Per the PWS’ website, this water system supplies water to all of these areas: Altorton, Belleville, Cahokia, Canteen Township, Caseyville, Centreville, Columbia, East St. Louis, Fairmont City, Fairview Heights, Lovejoy, National City, Sauget, Shiloh, Smithton Township, St. Clair, Stookey, Swansea, and Washington Park.
- In the summer of 2019, Miguel fielded questions from NRDC re: Centreville, IL. Miguel answered general questions, and referred the more specific questions to IEPA (see attached email chain). Note: these emails included questions originating from the staff of Senator Duckworth.

Supporting details included below. Let me know if you need more on this.

Thanks,

Andrea Porter

Environmental Engineer | Ground Water & Drinking Water Branch | U.S. EPA, Region 5
 Email: porter.andrea@epa.gov | Phone: 312.886.4427

Supporting Details:

Helpful link for data Federally reported drinking water data → Public-facing SDWIS/FED reports available here:
<https://ofmpub.epa.gov/apex/sfdw/f?p=108:12:::NO:RP,RIR::>

1) Pb Samples:

Lead Samples

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Report Filters					
Submission Year is 2019 and Quarter is 4 and PWS ID is IL1635040 and PWS Name is IL AMERICAN-EAST ST LOUIS and Contaminant Code is PB96					
<div> <input type="text"/> <input type="button" value="Go"/> <input type="button" value="Rows"/> 100 <input type="button" value="Actions"/> <input type="button" value="Filter Report"/> <input type="button" value="Select"/> </div>					
1 - 16 of 16					
PWS ID	PWS Name	Contaminant Name	Sample Measure (mg/L)	Sampling Start Date	Sampling End Date
IL1635040	IL AMERICAN-EAST ST LOUIS	LEAD SUMMARY	.002	01/01/2017	12/31/2019
IL1635040	IL AMERICAN-EAST ST LOUIS	LEAD SUMMARY	.002	01/01/2014	12/31/2016
IL1635040	IL AMERICAN-EAST ST LOUIS	LEAD SUMMARY	.002	01/01/2011	12/31/2013
IL1635040	IL AMERICAN-EAST ST LOUIS	LEAD SUMMARY	.003	01/01/2008	12/31/2010
IL1635040	IL AMERICAN-EAST ST LOUIS	LEAD SUMMARY	.003	01/01/2005	12/31/2007
IL1635040	IL AMERICAN-EAST ST LOUIS	LEAD SUMMARY	.002	01/01/2002	12/31/2004
IL1635040	IL AMERICAN-EAST ST LOUIS	LEAD SUMMARY	0	01/01/1999	12/31/1999
IL1635040	IL AMERICAN-EAST ST LOUIS	LEAD SUMMARY	.003	01/01/1999	12/31/2001
IL1635040	IL AMERICAN-EAST ST LOUIS	LEAD SUMMARY	.003	01/01/1998	12/31/1999
IL1635040	IL AMERICAN-EAST ST LOUIS	LEAD SUMMARY	.003	07/01/1997	12/31/1997
IL1635040	IL AMERICAN-EAST ST LOUIS	LEAD SUMMARY	.004	01/01/1997	06/30/1997
IL1635040	IL AMERICAN-EAST ST LOUIS	LEAD SUMMARY	0	04/01/1994	06/30/1994
IL1635040	IL AMERICAN-EAST ST LOUIS	LEAD SUMMARY	0	10/01/1993	03/31/1994
IL1635040	IL AMERICAN-EAST ST LOUIS	LEAD SUMMARY	.014	01/01/1993	06/30/1993
IL1635040	IL AMERICAN-EAST ST LOUIS	LEAD SUMMARY	.011	07/01/1992	12/31/1992
IL1635040	IL AMERICAN-EAST ST LOUIS	LEAD SUMMARY	.019	01/01/1992	06/30/1992
Count Distinct: 1					
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2) Corrosion control treatment:



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Submission Year is 2019 and Quarter is 4 and PWS Name is IL AMERICAN-EAST ST LOUIS and Activity Status is A

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☒ Facility Type Description = Treatment Plant X
☒ Treatment Objective = Corrosion control X

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PWS ID	PWS Name	Facility Id	Facility Name	Facility Type Description	Facility Activity	Facility Deactivation Date	Treatment Objective	Treatment Process
IL1635040	IL AMERICAN-EAST ST LOUIS	17176	TP 03-CONVENTIONAL PLANT	Treatment Plant	Active	-	Corrosion control	Sequestration
IL1635040	IL AMERICAN-EAST ST LOUIS	17177	TP 04-ALDRICH PLANT	Treatment Plant	Active	-	Corrosion control	Sequestration
IL1635040	IL AMERICAN-EAST ST LOUIS	17176	TP 03-CONVENTIONAL PLANT	Treatment Plant	Active	-	Corrosion control	pH Adjustment
IL1635040	IL AMERICAN-EAST ST LOUIS	17177	TP 04-ALDRICH PLANT	Treatment Plant	Active	-	Corrosion control	Inhibitor, Orthophosphate
IL1635040	IL AMERICAN-EAST ST LOUIS	17176	TP 03-CONVENTIONAL PLANT	Treatment Plant	Active	-	Corrosion control	Inhibitor, Orthophosphate

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3) LCR Milestones



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Submission Year is 2019 and Quarter is 4 and PWS ID is IL1635040 and PWS Name is IL AMERICAN-EAST ST LOUIS and Activity Status is A

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PWS ID	PWS Name	Event Milestone Code	Event Reason Code	Event Actual Date	Event End Date
IL1635040	IL AMERICAN-EAST ST LOUIS	DEEM	WQP	11-APR-2000	-
IL1635040	IL AMERICAN-EAST ST LOUIS	DONE	WQP	12-APR-2000	-

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Report runtime 1.58 seconds

4) Service line inventory

- a. IEPA requires Community Water Systems to report service line inventories annually (see: <https://www2.illinois.gov/epa/topics/drinking-water/public-water-users/Pages/lead-service-line-information.aspx>).

Service Line Material Inventory Reports

Show 10 entries [Download Reports \(CSV Format\)](#) Search: IL AMERICAN-EAST ST

Facility Id	Facility Name	County	Total Connections	Report Date	Reporting Year
IL1635040	IL American-East St Louis (PWS)	St. Clair	51498	4/10/2019	2018
<div> <div>Wholesale Connections 51491</div> <div>Copper/Lead Solder 0</div> <div>Plastic 0</div> <div>Cast/Ductile Iron or Transite 7</div> </div> <div> <div>Retail Connections 7</div> <div>Copper/Non-Lead Solder 4244</div> <div>Unknown Material 46901</div> </div> <div> <div>Lead 346</div> <div>Galvanized 0</div> <div>Unknown Not Lead 0</div> </div>					

5) Water Quality Summary

- a. Attached, and posted on PWS website, here: http://www.amwater.com/twq/esl_twq.pdf

From: Bair, Rita <bair.rita@epa.gov>
Sent: Monday, February 10, 2020 11:29 AM
To: Murphy, Elizabeth <Murphy.Elizabeth@epa.gov>
Cc: Porter, Andrea <porter.andrea@epa.gov>; Wilson, Jennifer <wilson.jenniferA@epa.gov>; Meyer, Cynthia <Meyer.Cynthia@epa.gov>; Bauer, Candice <bauer.candice@epa.gov>
Subject: FW: East St. Louis Lead Action Level Exceedances and corrosion control?

Andrea is in a better position to answer this. I am not aware of anything in East St. Louis. However, IEPA did respond to the status of systems with current ALEs. Again, Andrea would have that info.

From: Murphy, Elizabeth <Murphy.Elizabeth@epa.gov>
Sent: Monday, February 10, 2020 11:17 AM
To: Wilson, Jennifer <wilson.jenniferA@epa.gov>; Meyer, Cynthia <Meyer.Cynthia@epa.gov>
Cc: Bair, Rita <bair.rita@epa.gov>
Subject: East St. Louis Lead Action Level Exceedances and corrosion control?

Do either of you have any on Lead ALEs and or requirements of corrosion control for East St. Louis, in IL?

We have been asked to think about using a new Pb mapping tool that EPA is developing to address / target enforcement actions. Do we have any info on how East St. Louis is complying with LCR, application of corrosion control and or ALEs?

I need this for tomorrow morning, if it is possible to obtain.
 Beth

Elizabeth Murphy, MPH
 Water Enforcement and Compliance Assistance Branch
 Chief – Section 3 (UIC, Wetlands, and Drinking Water)
 US Environmental Protection Agency
 77 W. Jackson Blvd.

Mail Code ECW-15J
Chicago, IL 60604-3590
Murphy.Elizabeth@epa.gov
phone: (312) 353-4227
1-800-621-8431 x 34227
fax: (312) 980-8745